Title (en)

METHOD AND APPARATUS FOR REDUCING PILOT SEARCH TIMES UTILIZING MOBILE STATION LOCATION INFORMATION

Title (de)

VERFAHREN UND GERÄT ZUR REDUZIERUNG DER PILOTSUCHZEIT MIT HILFE DER MOBILSTATION-LOKALISIERUNGSINFORMATION

Title (fr)

PROCÉDÉ ET DISPOSITIF DE RÉDUCTION DU TEMPS DE RECHERCHE D'UN SIGNAL PILOT UTILISANT UNE INFORMATION DE LOCALISATION DE LA STATION MOBILE

Publication

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Application

EP 04025864 A 20000830

Priority

• EP 00959686 A 20000830
• US 38710299 A 19990831

Abstract (en)

A method and apparatus for conducting a pilot signal search in a wireless communications network. The location of a mobile is determined within the network. This location is then used in determining search window sizes and other search parameter information that is used to search all pilot signals identified in a designated pilot signal set. Search window size is also determined based upon the location of the mobile and another component related to multipath effects for a transmitted pilot signal. <IMAGE>

IPC 1-7

H04B 1/707; H04Q 7/38

IPC 8 full level

H04B 1/7075 (2011.01); **G01S 1/00** (2006.01); **H04B 1/707** (2011.01); **H04L 27/00** (2006.01); **H04W 48/16** (2009.01); H04B 1/7115 (2011.01); H04W 12/10 (2009.01); H04W 64/00 (2009.01)

CPC (source: EP KR US)

H04B 1/70754 (2013.01 - EP US); **H04B 1/7085** (2013.01 - KR); **H04L 27/0012** (2013.01 - EP US); **H04W 48/16** (2013.01 - EP US); **H04W 64/00** (2013.01 - KR); H04B 1/7115 (2013.01 - EP US); H04B 2201/70701 (2013.01 - EP US); H04B 2201/70702 (2013.01 - EP US); H04W 64/00 (2013.01 - EP US)

Citation (search report)

• [L] WO 0117125 A1 20010308 - QUALCOMM INC [US]
• [A] WO 9927657 A1 19990603 - MOTOROLA INC [US]
• [A] WO 9923847 A1 19990514 - MOTOROLA INC [US]
• [A] WO 9604716 A1 19960215 - QUALCOMM INC [US]
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